

**PART B: 510(k) SUMMARY OF SAFETY
AND EFFECTIVENESS**

K012652

NOV 0 8 2001

Submitter: Alliance Medical Corporation
10232 South 51st Street
Phoenix, Arizona 85044

Contact: Don Selvey
Vice President, Regulatory Affairs and Quality Assurance
(480) 763-5300

Date of preparation: August 10, 2001

Name of device: Trade/Proprietary Name: Reprocessed Arthroscopic Burs
Common or Usual Name: Arthroscopic Bur
Classification Name: Arthroscope

Reprocessed devices:

Manufacturer	Description	Model
Dyonics®	Abrader	3450
Dyonics®	Abrader	3451
Dyonics®	Acromionizer	3452
Dyonics®	Acromionizer	3453
Dyonics®	Stonecutter	4304
Dyonics®	Stonecutter	4305
Dyonics®	Notchblaster	4306
Dyonics®	Notchblaster	4307
Dyonics®	Abrader	7205324
Dyonics®	Abrader	7205325
Dyonics®	Acromionizer	7205326
Dyonics®	Notchblaster Abrader	7205328
Dyonics®	Notchblaster	7205329
Dyonics®	Stone Cutter	7205330
Dyonics®	Acromioblaster	7205668
Dyonics®	Acromioblaster	7205669
Dyonics®	Helicut Bur	7205727

Predicate device(s):

- K833587 Smith & Nephew Dyonics® Disposable Arthorscopy Blade
- K904284 Smith & Nephew Dyonics® Arthroscopic Surgical Blade
- K934229 Smith & Nephew Dyonics® Disposable Arthroscopic Surgery Blades
- K953096 Smith & Nephew Dyonics® EP-1 Shaver
- K953695 Smith & Nephew Dyonics® Disposable Arthroscopic Blades
- K771218 Smith & Nephew Dyonics® Intra-Articular Shaver

K820367 Smith & Nephew Dyonics® Intra-Articular Surgical System
K971253 Smith & Nephew Dyonics® Endoscopic Surgery Blades
K900070 Smith & Nephew Dyonics® Modified Uses of the Arthroscopic Surgical System, Trimmer Blade and Full Radius Blade

Device description:

Arthroscopic shavers can be used to abrade, cut and excise tissue and bone; remove loose fragments; and shave away debris in arthroscopic surgeries, as well as surgeries of the jaw and sinuses.

The arthroscopic shaver components reprocessed by Alliance Medical Corporation include a Bur or blade at the end of a long rod that rotates within a long hollow stain- less steel housing. The housing has a window cut out on one side of the distal end, allowing the Bur to cut one structure while the adjacent one is still protected by the housing on the opposite side of the bur or blade. This system attaches to a motorized handpiece that drives the internal bur or blade inside the outer housing and provides suction to pull the cut tissue away from the surgical site

Intended use:

Reprocessed Arthroscopic Shavers are intended for resecting tissue and bone found in articular body cavities during orthopedic, maxillofacial, hand, foot and plastic surgery in patients requiring arthroscopic or orthopedic surgery.

Indications statement:

Reprocessed arthroscopic shavers are indicated for use in orthopedic surgical procedures of the joints, jaw or sinuses where the cutting and removal of soft and hard tissue or bone is needed in patients requiring orthopedic surgery.

Technological characteristics:

The design, materials, and intended use of the Reprocessed Arthroscopic Burs are identical to the predicate devices. The mechanism of action of the Reprocessed Arthroscopic Bur is identical to the predicate devices in that the same standard mechanical design, materials, shapes and sizes are utilized. There are no changes to the claims, intended use, clinical applications, patient population, performance specifications, or method of operation.

Performance data:

Bench and laboratory testing was conducted to demonstrate performance (safety and effectiveness) of the Reprocessed Arthroscopic Burs.

- Biocompatibility
- Validation of reprocessing
- Function Test(s)

Performance testing demonstrates that Reprocessed Arthroscopic Burs perform as originally intended.

Conclusion:

In accordance with the Federal Food, Drug and Cosmetic Act 21 CFR Part 807 and based on the information provided in this premarket notification, Alliance Medical Corporation concludes that the modified device (the Reprocessed Arthroscopic Bur) is safe, effective and substantially equivalent to the predicate devices as described herein.



Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

NOV 08 2001

Mr. Don Selvey
Vice President, Regulatory Affairs
and Quality Assurance
Alliance Medical Corporation
10232 South 51st Street
Phoenix, Arizona 85044

Re: K012652

Trade/Device Name: Alliance Medical Corporation Reprocessed Arthroscopic Burs
Regulation Number: 888.1100
Regulation Name: Arthroscope
Regulatory Class: II
Product Code: HRX
Dated: August 10, 2001
Received: August 13, 2001

Dear Mr. Selvey:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 21 CFR Part 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4659. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address <http://www.fda.gov/cdrh/dsma/dsmamain.html>

Sincerely yours,



 Celia M. Witten, Ph.D., M.D.
Director
Division of General, Restorative
and Neurological Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

NOV 0 8 2001

K012652

2. Indications for Use Statement

510(k) Number (if known): K012652

Device Name: Alliance Medical Corporation Reprocessed Arthroscopic Burs

Indications for Use: Reprocessed Arthroscopic Burs are indicated for use in orthopedic surgical procedures of the joints, jaw or sinuses where the cutting and removal of soft and hard tissue or bone is needed in patients requiring orthopedic surgery.

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription Use
(per 21 CFR 801.109)

of Susan Walk Over-the-Counter Use
(Division Sign-Off)
Division of General, Restorative
and Neurological Devices

510(k) Number K012652

CONFIDENTIAL

Alliance Medical Corporation
Reprocessed Arthroscopic Burs
Traditional 510(k)

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